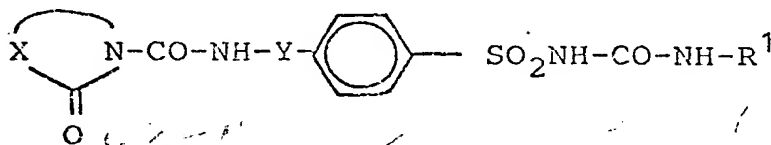


What is claimed is:

1) Sulfonyl ureas of the formula



in which

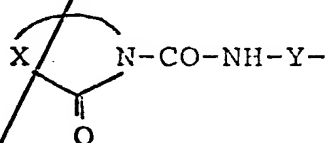
X is alkylene or alkenylene having from 3 to 6 carbon atoms, optionally substituted by up to 3 alkyl groups each having from 1 to 4 carbon atoms, or a phenyl radical; or cycloalkylenealkyl having up to 3 carbon atoms in the alkyl moiety and from 5 to 7 ring carbon atoms, optionally substituted by up to 3 methyl groups, or unsaturated;

Y is alkylene having 2 or 3 carbon atoms;

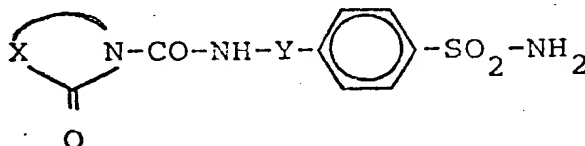
R¹ is alkyl having from 4 to 6 carbon atoms, cycloalkyl, alkylcycloalkyl, dialkylcycloalkyl, cycloalkylalkyl, cycloalkenyl or alkylcycloalkenyl with in each case 4 to 9 C atoms, methylcyclopentylmethyl, cyclohexenylmethyl, chlorocyclohexyl, methoxycyclohexyl, bicycloheptyl, bicycloheptenyl, bicycloheptylmethyl, bicycloheptenylmethyl, bicyclooctyl, nortricyclyl, adamantyl or benzyl; and the physiologically acceptable salts thereof.

2) Processes for the manufacture of sulfonyl ureas as claimed in Claim 1, which comprises

a) reacting benzensulfonyl-isocyanates, -carbamic acid esters, -thiolcarbamic acid esters, -ureas, -semicarbazides or -semicarbazones substituted by the group



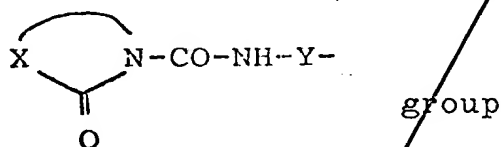
in 4-position, with an amine R¹-NH₂ or salts thereof, or reacting sulfonamides of the formula



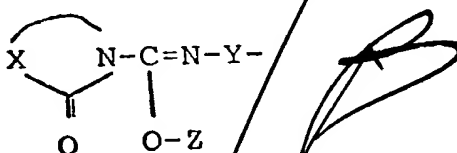
2-4

or salts thereof with R¹-substituted isocyanates, carbamic acid esters, thiolcarbamic acid esters, carbamic acid halides or ureas,

- b) splitting benzenesulfonylisourea ethers, -isothiurea ethers, -parabanic acids or -halogenoformic acid amidines, each substituted by the

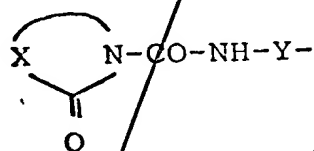


or benzenesulfonyl ureas substituted by the



group, where Z is alkyl having 1 or 2 carbon atoms;

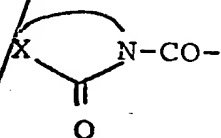
- c) replacing the sulfur atom in benzenesulfonylthioureas substituted by



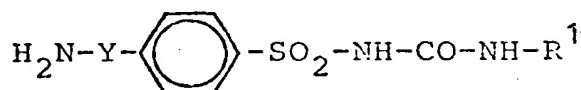
by oxygen,

- d) oxidizing corresponding benzene-sulfinyl- or -sulfenyl-ureas,

- e) introducing the radical



if appropriate stepwise, into benzenesulfonylureas of the formula



f) reacting correspondingly substituted benzenesulfonyl halides with R¹-substituted ureas or alkali metal salts thereof, or reacting correspondingly substituted benzenesulfinic acid halides or, in the presence of acidic condensing agents, also correspondingly substituted sulfinic acids or alkali metal salts thereof with N-R¹-N'-hydroxyurea, and, if appropriate, treating the reaction products with alkaline agents in order to form salts.

3) Medicaments based on a sulfonyl urea as claimed in Claim 1 or one of its salts.

4) Use of a sulfonyl urea as claimed in Claim 1 or of one of its salts in combating diabetes.

5) A process for the preparation of a medicament as claimed in Claim 3, which comprises bringing a sulfonyl urea of the formula given in Claim 1 or one of its salts into a suitable form of administration.

6) A process for lowering the blood sugar level in the treatment of diabetes, which comprises administering an effective amount of a compound as claimed in Claim 1.

add c1